Index of Claims

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|---|-----|----------|-----|
| 4 | Thh | lication | 110 |

10/729,424

Examiner

Eric W Thomas

Art Unit

2831

Applicant(s)

O'PHELAN ET AL.

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
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Non-Elected
I Interference

| A | Appeal   |
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| Claim Date                                       |          |            |          |                                                  | ] .       | Cla      | aim          | Date            |                 |          |      |       |          |          |          | . [                | Cla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | aim    | Date     |          |                         |         |          |            |                    |          |         |              |                |          |                |          |
|--------------------------------------------------|----------|------------|----------|--------------------------------------------------|-----------|----------|--------------|-----------------|-----------------|----------|------|-------|----------|----------|----------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|----------|-------------------------|---------|----------|------------|--------------------|----------|---------|--------------|----------------|----------|----------------|----------|
|                                                  | a        | 4          |          |                                                  |           |          |              |                 |                 |          | al   |       |          |          |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          | =                       |         |          |            | П                  | Π        |         |              |                |          |                |          |
| Final                                            | Original | 9/27/04    |          | 1                                                |           |          |              |                 |                 | ĺ        |      | Final | Original | 9/27/04  |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | l        |          |                         |         | Final    | Original   |                    |          |         |              |                |          |                |          |
| iΞ                                               | Ö        | 9/2        |          |                                                  |           |          |              |                 |                 |          |      | 证     | Ö        | 9/2      |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          | ŀ                       |         | ιĪ       | Эńį        |                    |          |         |              |                |          |                |          |
|                                                  |          | _          | <u> </u> | L                                                | ┞         | ╙        | ┞-           | <u> </u>        |                 |          |      |       |          |          | Ш        |                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4      |          | Ш        | _ :                     |         |          |            |                    |          | _       | ↓_           | ╙              |          | L              |          |
|                                                  | 1        | ├-         | <u> </u> | L.                                               | L         | _        | _            | ├-              | $\vdash$        |          | *. 1 |       | 51       | 7        | Щ        | <u></u>            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\bot$ |          | Ш        |                         |         |          | 101        |                    |          | ╙       | _            | ļ.             | Ш        | Ш              |          |
| <u> </u>                                         | 2        | ├_         | ├—       | <u> </u>                                         | ┼-        | _        | <u> </u>     | _               |                 |          |      |       | 52       | 1        |          |                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _      | 1        | Ш        | _                       |         |          | 102        | _                  | _        | _       | $\perp$      | <u> </u>       | Ш        | Ш              |          |
| <u> </u>                                         | 3        | ├          | ├—       | ⊢                                                |           | Ͱ        | ┢            | ┢               | -               | -        |      |       | 53       | 1        |          | _                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -      | +        | Н        | -1                      |         |          | 103        |                    | -        | +       | ↓            | ╙              | Н        | Ш              |          |
| <u> </u>                                         | 5        | ├          | ├        |                                                  | ╁         | ⊢        | ⊢            | ┢               | -               | _        |      |       | 54<br>55 | 7        | _        | $\dashv$           | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -      | +-       | $\vdash$ | $\dashv$                | ŀ       |          | 104        | -                  | _        | +       | ├-           | -              | Н        | $\square$      |          |
| <del>                                     </del> | 6        | <u> </u>   | $\vdash$ | $\vdash$                                         | ├         | ├        | ┢            | ╁               | $\vdash$        | _        |      |       | 56       | 1        |          | -                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ╁      | +        | $\vdash$ | $\dashv$                | ł       |          | 105<br>106 | -                  | +        | +       | ╁            | ┢              | Н        | $\vdash$       |          |
| $\vdash$                                         | 7        | ┢          | ┢╌       | ┢                                                | $\vdash$  | ┢        | ┢            | ╁               | $\vdash$        | $\vdash$ |      |       | 57       | 1        | $\vdash$ |                    | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | -        | $\vdash$ | ᅱ                       | ŀ       |          | 107        | $\dashv$           | +-       | +       | +-           | ├              | Н        | $\vdash\vdash$ |          |
| <del>                                     </del> | 8        | $\vdash$   | ├        | <del>                                     </del> | 十         | ╁        | $\vdash$     | ┢               |                 |          | l    |       | 58       | V        |          | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ╁      | +        | Н        | ᅱ                       | 4       |          | 108        | $\dashv$           | +        | +       | ╫            | ╁              | Н        | $\vdash$       |          |
| <del>                                     </del> | 9        | $\vdash$   | $\vdash$ | H                                                | $\vdash$  | ╁        | $\vdash$     | _               |                 |          |      |       | 59       | V        |          | _                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ╁      | +        | Н        | -                       | N       |          | 109        | $\dashv$           | +        | +       | ╁            | ├-             | Н        | $\dashv$       |          |
|                                                  | 10       | 1          | Т        | T                                                | _         |          | <u> </u>     |                 |                 |          |      |       | 60       | 1        |          | $\dashv$           | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\top$ |          | $\Box$   | ٦,                      |         |          | 110        | $\dashv$           | ╅        | +-      | $\vdash$     | $\vdash$       | $\vdash$ | $\dashv$       | -        |
|                                                  | 11       | T          |          |                                                  | T         | T        |              |                 |                 |          |      |       | 61       |          |          | _                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      |          | $\Box$   | -                       |         |          | 111        | $\dashv$           | +        | +-      | $\vdash$     | ╁              | $\vdash$ | $\vdash$       | $\dashv$ |
|                                                  | 12       |            |          |                                                  |           |          |              |                 | П               |          |      |       | 62       |          |          | 十                  | 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\top$ | $\top$   | $\sqcap$ | 7                       |         |          | 112        | $\dashv$           | _        | +       | T            | t              | $\Box$   | $\dashv$       | $\dashv$ |
|                                                  | 13       |            |          |                                                  |           |          |              |                 |                 |          |      |       | 63       |          |          |                    | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7      | $\top$   | $\Box$   | 7                       |         |          | 113        | $\dashv$           |          | $\top$  | $\vdash$     | T              | $\Box$   | $\dashv$       |          |
|                                                  | 14       |            |          |                                                  |           |          |              |                 |                 |          |      |       | 64       |          |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          |                         |         |          | 114        |                    |          | $\top$  | 1            |                | П        | $\neg$         |          |
|                                                  | 15       |            |          |                                                  |           |          |              |                 |                 |          | 1.   |       | 65       |          |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          |                         |         |          | 115        |                    |          |         |              |                | П        | $\Box$         | $\neg$   |
|                                                  | 16       | L          | L_       | L                                                |           | <u> </u> | <u> </u>     | L               |                 |          | 4 1  |       | 66       |          |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          |                         | 14[     |          | 116        |                    |          |         |              |                |          | $\Box$         |          |
|                                                  | 17       | _          | L        | _                                                | L         | _        | <u> </u>     |                 |                 |          |      |       | 67       |          |          |                    | ┸                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |          |          |                         |         |          | 117        |                    | L        | Ι       |              |                |          |                |          |
|                                                  | 18       | <u> </u>   | _        | <u> </u>                                         | <u> </u>  | _        | L            |                 |                 |          |      |       | 68       |          |          |                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4      | $\perp$  |          | _ :                     |         |          | 118        |                    |          |         | L            |                |          |                |          |
|                                                  | 19       | <u> </u>   | <u> </u> | <u> </u>                                         | ↓         | <u> </u> | _            | _               |                 |          |      |       | 69       |          | _        | _                  | $\bot$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\bot$ | 4        | Ц.       | _                       |         |          | 119        | _                  |          | ┸       | <u> </u>     | ļ. <u>.</u>    |          |                | $\Box$   |
|                                                  | 20       | _          |          | <u> </u>                                         | ⊢         | -        | ├_           |                 | -               |          |      |       | 70       |          |          |                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | $\bot$   | $\dashv$ | <u></u>                 |         |          | 120        |                    |          | ╀.      | _            | <u>L</u> .     | Ш        |                | _        |
|                                                  | 21<br>22 | -          | ├—       | ┝                                                | -         | ⊢        | ⊢            |                 | Н               |          |      |       | 71       | -        |          | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -      | 4-4      |          | $\dashv$                | - 1     | _        | 121        | 4                  |          | _       | <u> </u>     | _              | Ш        |                |          |
| -                                                | 23       |            | $\vdash$ |                                                  | 1         | $\vdash$ | -            | -               | H               |          |      |       | 72<br>73 |          | $\dashv$ |                    | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +-       | $\vdash$ |                         |         |          | 122        | -                  |          | ╄       | ▙            | <u> </u>       | $\sqcup$ |                | _        |
| <del></del>                                      | 24       | $\vdash$   | ├        | ┝                                                | ├         | -        | $\vdash$     | Н               | Н               |          |      |       | 74       |          | $\dashv$ | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +-     | +        | $\dashv$ |                         | <u></u> | -        | 123<br>124 | $\dashv$           |          | <b></b> | ⊢            | ├              | $\vdash$ | $\dashv$       |          |
|                                                  | 25       | H          | -        | $\vdash$                                         | H         | -        | -            | Н               | Н               |          |      |       | 75       |          | $\vdash$ | -+                 | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        |          | -4                      | -       |          | 125        | +                  |          | ╁       | ⊢            | -              | H        | $\dashv$       |          |
| -                                                | 26       | -          | -        | -                                                | H         | $\vdash$ | ╁            | -               | Н               |          |      |       | 76       |          | $\dashv$ | -+                 | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        | $\dashv$ |                         | ŀ       |          | 126        |                    |          | ╁       | -            |                | Н        | $\dashv$       | 긕        |
|                                                  | 27       |            |          |                                                  | Ι.        | H        | <del> </del> |                 | Н               |          |      |       | 77       | -        |          | $\dashv$           | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        | $\dashv$ | $\dashv_{\mathfrak{s}}$ | ŀ       | -        | 127        | +                  |          | +-      | ╁            | $\vdash$       | $\vdash$ | $\dashv$       | $\dashv$ |
|                                                  | 28       |            | $\vdash$ |                                                  |           |          |              | 1               | Н               |          |      |       | 78       |          | $\dashv$ | _                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +-     | +        | 1        | ,                       | ŀ       |          | 128        | -                  |          | +       | ┢╌           | $\vdash$       | $\vdash$ | $\dashv$       | -        |
|                                                  | 29       |            |          |                                                  | Т         |          | Г            |                 |                 |          |      |       | 79       |          | $\neg$   |                    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | $\top$   |          | ٦,                      | -       |          | 129        | _                  | $\dashv$ | +-      | ┢            | $\vdash$       | $\vdash$ | $\dashv$       | $\dashv$ |
|                                                  | 30       |            |          |                                                  |           |          |              |                 | П               |          |      |       | 80       |          |          |                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ┪      | $\top$   |          |                         | 1       |          | 130        | $\dashv$           | $\neg$   | +-      | H            | t              | Н        | 一              | $\dashv$ |
|                                                  | 31       |            |          |                                                  |           |          |              |                 |                 |          |      |       | 81       |          |          |                    | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\top$ |          |          | Ti.                     | 4       |          | 131        | 寸                  | _        | T       | 1            | T              | Н        | 一              | $\dashv$ |
|                                                  | 32       |            |          |                                                  |           |          |              |                 |                 |          |      |       | 82       |          |          |                    | 丅                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\top$ |          |          | 7                       | 1       |          | 132        | ヿ                  | 一        | $\top$  |              | Ħ              | Н        | $\dashv$       | ᅥ        |
|                                                  | 33       |            |          |                                                  |           |          |              |                 |                 |          |      |       | 83       |          |          |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |          |                         |         |          | 133        | 丁                  |          | $\top$  |              |                | П        | ᅥ              | $\neg$   |
|                                                  | 34       | L          | L        |                                                  |           |          | L            | Ш               | Ш               |          |      | ]     | 84       |          |          | $oldsymbol{\perp}$ | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | I      |          | $\Box$   |                         |         |          | 134        | $\Box$             |          | Γ       |              |                |          | 二              |          |
|                                                  | 35       | <u> </u>   | <u></u>  |                                                  | -         |          | _            | Ш               | $\sqcup$        |          |      |       | 85       |          |          |                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | $\sqcup$ | $\Box$   |                         |         |          | 135        | $oldsymbol{\perp}$ |          |         |              |                | Ш        |                |          |
|                                                  | 36       |            | ļ        | _                                                | Ш         | Щ        | <u> </u>     | Щ               | $\sqcup$        | _        |      |       | 86       |          | _        |                    | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4-     | $\sqcup$ |          | _                       |         |          | 136        |                    |          | $\perp$ |              |                |          | $\Box$         |          |
|                                                  | 37       | _          | _        |                                                  | Н         | Щ        | <u> </u>     | $\vdash$        | $\vdash$        |          |      |       | 87       | _        | _        | -                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\bot$ | +        | 1        | _                       |         |          | 137        |                    | $\perp$  | $\perp$ | <u> </u>     | Ш              | Ш        | _]             | _]       |
|                                                  | 38<br>39 | <b>-</b> - | $\vdash$ |                                                  | $\vdash$  | Н        | <u> </u>     | H               | Н               | _        | <br> |       | 88       |          |          | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\bot$ | 1        | $\dashv$ |                         | 4       |          | 138        | $\bot$             | 4-       | $\perp$ | <u> </u>     | $\vdash$       | Ш        | _              |          |
|                                                  | 40       | 1          | $\vdash$ |                                                  | $\vdash$  | $\vdash$ |              | H               | $\vdash \vdash$ | -        | . }  |       | 89       |          | $\dashv$ | +                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        | $\dashv$ |                         |         |          | 139        | $\dashv$           |          | 4       | <u> </u>     | <u> </u>       | Ш        | _              | $\Box$   |
|                                                  | 41       | 1          | —        |                                                  | Н         | $\vdash$ | -            | $\vdash$        | $\vdash \vdash$ | $\dashv$ | . }  |       | 90<br>91 | $\dashv$ | $\dashv$ | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        | $\dashv$ | -                       | 1       |          | 140        |                    | -        | +       | <u> </u>     | $\vdash$       |          |                |          |
|                                                  | 42       | 7          |          |                                                  | $\vdash$  | Н        | -            | Н               | $\vdash$        | $\dashv$ | ŀ    |       | 92       |          | $\dashv$ | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | + -      | +        | ┥.                      |         |          | 141<br>142 | +                  |          | +       | ├            | l-i            | -        |                | -        |
|                                                  | 43       | 7          |          |                                                  | $\vdash$  | $\vdash$ | -            | $\vdash \vdash$ | $\vdash$        | ᅱ        |      |       | 93       | $\dashv$ | $\dashv$ | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | ╂╌╉      | +        |                         | 4       | _        | 143        | +                  | +        | +       | -            | $\vdash\vdash$ | $\dashv$ | $\dashv$       | 긕        |
|                                                  | 44       | 1          | -        | _                                                | Н         | $\vdash$ |              | $\vdash$        | $\vdash \vdash$ | ᅱ        | 1    |       | 94       |          | $\dashv$ | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | +        | +        | -∤:                     |         |          | 144        | -+                 | +        | +       | -            | $\vdash$       | $\vdash$ | $\dashv$       |          |
|                                                  | 45       | Ì          |          |                                                  | Н         | $\vdash$ | $\vdash$     | $\vdash$        | $\vdash$        | ᅱ        | 15   |       | 95       | ᅱ        | $\dashv$ | +                  | ╅                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +      | $\vdash$ | -+       | $\dashv$                | ď.      |          | 145        | $\dashv$           | +        | ╁┈      | <del> </del> | $\vdash$       | $\vdash$ |                | $\dashv$ |
|                                                  | 46       | 7          | $\Box$   |                                                  | Н         | $\Box$   |              | $\vdash$        | H               | $\neg$   | ŀ    | -+    | 96       | $\dashv$ | 十        | +                  | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +-     | $\vdash$ | +        | $\dashv$                | ŀ       |          | 146        | +                  | $\dashv$ | +       | $\vdash$     | Н              | $\vdash$ | $\dashv$       | ᅱ        |
|                                                  | 47       | 1          |          |                                                  | П         |          |              |                 | П               |          | ľ    |       | 97       | _        | $\dashv$ | 十                  | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\top$ | $\vdash$ | -        | ┥                       | +       | $\dashv$ | 147        | +                  | +        | +       | Н            | $\vdash$       | $\vdash$ | $\dashv$       | ᅱ        |
|                                                  | 48       | 1          |          |                                                  |           |          |              |                 |                 |          | Ī    |       | 98       |          |          |                    | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ✝      | $\sqcap$ | $\dashv$ | $\neg$                  |         |          | 148        | _                  | _        | T       | T-           | Н              | $\vdash$ | $\dashv$       | ᅱ        |
|                                                  | 49       | 1          |          |                                                  |           |          |              |                 |                 |          |      |       | 99       | ╛        |          |                    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}$ |        | $\Box$   | $\neg$   |                         | ऻ       |          | 149        | $\top$             | $\top$   | $\top$  |              | H              | $\Box$   | $\dashv$       | ᅱ        |
|                                                  | 50       | V          |          |                                                  | $oxed{L}$ |          |              |                 |                 |          | -[   |       | 100      |          | $\Box$   |                    | Τ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Τ      | П        | T        | 7                       | - [     |          | 150        |                    |          | T       | T            | П              |          | $\dashv$       | $\neg$   |